

## **METHOD AND SYSTEM FOR EQUALIZING COMMUNICATION SIGNALS**

### **ABSTRACT OF THE DISCLOSURE**

5           A receiver that can include an adaptive equalizer and a comparator  
processes communication signals that have been distorted by a propagation  
medium. The adaptive equalizer can correct for distortion of the received signals.  
The comparator can accept the equalized signal from the equalizer and quantize  
this signal. A control loop coupled to the equalized signal and the quantized  
10   signal can adjust the equalizer. The control loop can adjust the equalizer so that  
the high frequency energy in the equalized signal approximates the high-  
frequency energy in the quantized signal, taking into account variation between  
the low-frequency energies of these two signals.

15   K&S file number: 07982.105020